



# PUBLIC WORKS DEPARTMENT

CITY OF PORTSMOUTH

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PEASE WWTP

February 11, 2010

NPDES Permit No. NH0090000

Discharge No. 005A

In the month of January the Pease Wastewater Facility reported a total of nine fecal violations. These violations included a weekly fecal geometric mean, six fecal daily maximum and two over the allowable 43 MPN/100mL daily fecal maximum.

January 5	Fecal	900/100ML	Chlorine Residual Before Dechlor	3.9 mg/L.	Flow 0.96 MG
January 6	Fecal	240/100ML	Chlorine Residual Before Dechlor	3.6 mg/L.	Flow 1.01 MG
January 8	Fecal	500/100ML	Chlorine Residual Before Dechlor	2.3 mg/L.	Flow 1.00 MG
January 10	Fecal	23/100ML	Chlorine Residual Before Dechlor	2.8 mg/L.	Flow 0.58 MG
January 11	Fecal	50/100ML	Chlorine Residual Before Dechlor	8.5 mg/L.	Flow 0.77 MG
January 29	Fecal	80/100ML	Chlorine Residual Before Dechlor	4.3 mg/L.	Flow 0.84 MG

These violations are part of an on-going industrial discharge to the Pease Wastewater Facility. This issue had been addressed by use of a temporary chloraminization system. During the end of December and the beginning of January a new permanent ammonia tank, building and scada node were installed. We believe these violations are due to startup issues related to a low chlorine dosing and manual pacing of the ammonia. The flows during the beginning of 2010 were generally high at the time of sampling and manual pacing was not enough to keep up with the changes in flow. The ammonia is now running flow paced. We have been working with the NHDES and the EPA in an effort to resolve this issue and will continue to update NHDES and EPA as we move forward. Please call if you have any questions or need additional information.

Enclosed is a corrected copy of the December 2009 DMR with the signature on page two.

Please note the CL2 detection limit is 0.05mg/L and the plant reports less than the detection limit using Standard Methods 4500-CL-G Page 4 – 63 (colorimetric). The BOD detection limit is 5 mg/L and the plant reports less than the detection limit using Standard Methods 5210-B.

Sincerely,

Peter H. Rice

City Engineer, Water/Sewer Division

Cc: Joy Hilton, USEPA  
Paula Anania